

**ELECTRICALLY DRIVEN MOTOR WITH ROTATION DETECTION DEVICE**

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**Abstract**

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**PROBLEM TO BE SOLVED:** To prevent a rotation detection device from being damaged when a housing is built in a casing, in a constitution wherein a rotation detection device of an electrically driven motor is built in the housing and the housing is built in a casing.

**SOLUTION:** In this electrically driven motor, an auxiliary printed board 15 is built perpendicularly in a main printed board 14 to be built into a housing 9, a Hall element 10 is attached on the other side surface of the auxiliary printed board 15, and a built-in unit is constituted. This built-in unit is built in an aperture O of a case body 6 for a motor shaft, from a direction perpendicular to the motor shaft core. Thereby, a sensor magnet 8 and the Hall element 10 which are fixed to the motor shaft 4 are made to face opposite to each other via the auxiliary printed board 15.

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